

Instrumentspecial



Fisher Scientific

Part of Thermo Fisher Scientific





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Fisher Scientific's Serviceorganisation

Erbjuder förmånliga serviceavtal!

Varför behöver man ett serviceavtal?

- Förebyggande underhållsservice (FU) ökar livslängden på instrumenten.
- Operatörssäkerhet.
- Minimerar risken för driftstopp.
- Fri teknisk telefonsupport.
- Fasta rabatterade priser.
- Rabatt på reservdelar.
- Kalibreringsprotokoll godkända för ackrediterad verksamhet.
- Slitna delar byts i samband med FU, ni betalar endast för den utbytta delen. Arbetskostnaden ingår.
- Snabbare inställelse tider vid eventuella driftstörningar. (högre prioritet).
- Kontroll / Bevis på att instrumentet uppfyller ställda specifikationer.

Centrifugservice

1. Operatörsäkerhet

- » Centrifugen kontrolleras så att den uppfyller Arbetarskyddsstyrelsens rekommendationer vad gäller så väl mekanisk som elektrisk säkerhet, b.l.a. kontrolleras locklås, rotorer med avseende på sprickbildning, korrosion och slitage, elsystem med kontroll av jordning, läckström, anslutningar mm. Kontroll av obalansbrytare.

2. Funktionskontroll

- » Centrifugen öppnas och alla mekaniska och elektriska system kontrolleras och eventuella fel och brister åtgärdas eller anmärks på i serviceprotokollet som kunden erhåller för varje utförd centrifugeservice. Här kontrolleras motorupphägningar, lager, motorkol, gångjärn, manöverorgan, mm.

3. Kvalitetskontroll

- » Centrifugens varvtal kontrolleras vid 2 olika varvtal, på kylcentrifuger kontrolleras temperaturen efter överenskommelse.
- » Mätinstrumenten som används är kontrollerade på av Swedac ackrediterade mätlab, spårbarhet finns.

från 990:-

Autoklavservice

1. Operatörsäkerhet.

- » Elsäkerhet (jordning, läckström, anslutningar)
- » Tryckkärl enligt tryckkärlsförordningen
- » Larmfunktioner/nivåer kontrolleras

2. Funktionskontroll.

- » Manöverpanel (funktionskontroll, kontroll av programparametrar).
- » Autoklaven i stort (de mest utsatta ventilerna tages isär och kontrolleras, defekta delar byts, rör samt kopplingar kontrolleras, samtliga filter rengöres eller bytes,
- » Kontroll av larmfunktioner.

3. Kvalitetskontroll.

- » Temperaturkontroll kalibrering vid behov.
- » Kontroll av kylsystem
- » Kontroll av steriliseringstid.

från 3.500:-

Pipettkalibrering

Beställ pipettkalibrering idag!

Vi vill göra det så lätt för er som möjligt med fasta priser. Ett för 1-kanalspipetter och ett för multikanalspipetter. Dessa priser är oberoende av manuella eller elektroniska pipetter.

I pipettkalibreringen ingår rengöring, återinfettnings samt kalibrering enl. ISO 8655-1. 10 st invägningar på varje test volym, normalt 3 st. volymer om pipetten är variabel.

Serviceordern hittar ni på: www.fishersci.se/service. Defekta/slitna delar byts ut. Kostnad för eventuella reservdelar tillkommer. Priserna är Exkl. moms.

Multikanalspipetter
795:-

1-kanalspipetter
495:-

CO₂-inkubatorservice

1. Operatörsäkerhet

- » Kontroll av nätslutning, jordning, och läckström.

2. Funktionskontroll

- » Kontroll av manöverpanel, autozero funktion, larmnivåer, gastryck, slangar, regulatorer och tätningar.
- » Filter bytes

3. Validering

- » Temperaturkontroll på 1-9 punkter i upp till 15 timmar.
- » CO₂ kontroll
- » RH%-kontroll
- » O₂ kontroll.
- » Mätinstrumenten som används är kontrollerade på av Swedac ackrediterade mätlab, spårbarhet finns.
- » Justeringar utförs vid behov.

från 2.600:-

Plattläsare

1. Service

- » Rengöring av Filter, linser, optik och strålgångar.

2. Validering

- » Kontroll av prestanda och våglängdsriktighet, OD, CW.
- » Kontroll av lampintensitet, strömljus, stabilitet.
- » Validering utförs med ackrediterade testplattor samt mjukvaror utvecklade av instrumenttillverkaren.

från 8.500:-

Contact Us!

Servicechef

Peter Andersson

Serviceingenjör

David Melin, Stockholm

Andreas Djuric, Stockholm

Kjell Pahlby, Skåne

Pipettservice

Anja Marttinen, Göteborg

031 352 32 00

INSTALLATION, KVALITET

tel. 031 - 352 32 00
www.fishersci.se



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Flowcytometer MACSQuant® Analyzer



A novel benchtop cell analyzer for highly sensitive multicolor flow analysis. Now available with either 7 or 8 fluorescent channels.

Explore more of the MACSQuant best in class features:

- Powerful and compact
- Absolute cell counts
- Built-in automation
- Enhanced rare cell analysis
- MACSQuantify Software
- Remote support - Hotline 24 hours

The MACSQuant Analyzer provides best in class flow cytometry to researchers working in a wide range of fields: from molecular interactions, pharmacokinetics and cell biology to systems biology, marine biology and biophysics. Whether working with one or 96 samples, setting up your experiment on the MACSQuant Analyzer couldn't be easier.

NEW!



Capable, convenient and compact

- Powerful: 3 lasers and up to 10 optical parameters
- Convenient: 96-well automation — from labeling through acquisition and gating to print-ready results
- Capable: Volumetric absolute cell counting without reference beads
- Ease-of-use: Intuitive MACSQuantify™ software
- Hassle-free housekeeping: Automated compensation; auto-clean and shutdown procedures

Cat.No	Description
189092197	MACSQuant Analyser
189096116	MACSQuant VYB (Violet Yellow Blue)

Call for quotation



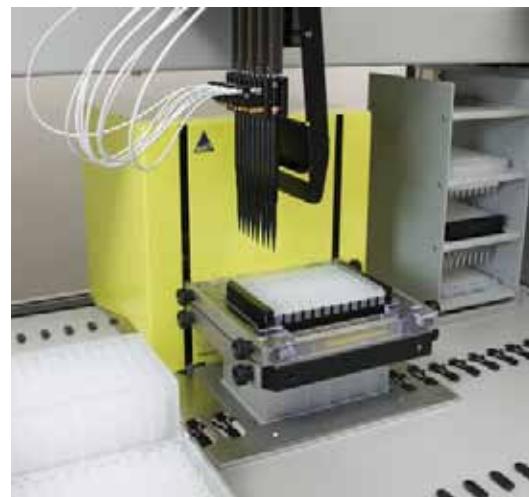
The MultiMACS™ M96 Separator is a semi-automated benchtop

Automated molecule purification - the MultiMACS™ M96 Separator allows the parallel processing of multiple samples with MACS® Technology.

Manual or robotic molecule isolation - the convenient and fast MACS® Procedures are performed by manual pipetting with software guidance or fully automated in a liquid handling robot.

Parallel processing of up to 96 samples - the flexible format allows performance of 8 to 96 reactions in parallel using Multi-8 Columns or Multi-96 Columns.

For in-coloum enzymatic reactions use **The MultiMACS M96 Separator** with a heatable magnet, e.g. for first-strand cDNA Synthesis of purified mRNA directly in the coloumn

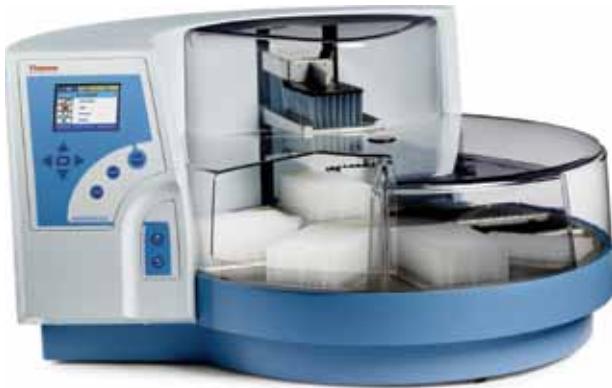


Cat.No	Description	List Price:	NOW!
189091937	Multimacs 96	57.200:-	39.990:-
189094534	Multimacs 96 thermo		Call for quotation

Efficient sample preparation of DNA, RNA and Protein

KingFisher Flex - Thermo Scientific

Thermo Scientific KingFisher Flex uses patented magnetic separation technology for a rapid sample preparation process of nucleic acids, proteins and cells. The new KingFisher Flex offers an expanded sample volume range, which in turn increases the yield by five times. With minimum hands-on time, KingFisher Flex offers the highest purification capacity with excellent reproducibility and high quality.



Unique technology

Thanks to the innovative idea of transferring magnetic particles instead of liquids, KingFisher Flex offers a rapid and reproducible purification of high-quality DNA, RNA, proteins and cells from various and often difficult starting materials like blood, cell cultures, tissue lysates, soil and faeces. The technology is based on magnetic rods which move particles through the various purification phases – binding, mixing, washing and elution. Automation and elimination of liquid handling result in a reliable and robust purification process.

Increased flexibility

KingFisher Flex is a truly flexible solution for different types of sample processing needs. With the 24-rod magnet head and 24-well deep well plate, customers can raise the processing volume up to 5 ml resulting in increased yield of the purified product. For higher throughput needs, 96 samples can be processed in different working volumes (20-1000 µl) using 96-rod magnet head and appropriate 96-well plates.

Highest throughput on the market

KingFisher Flex achieves the highest throughput on the market – up to 96 samples can be processed even under 15 minutes. BindIt Software enables KingFisher Flex to interface with liquid handling, robotics and plate stacking instruments, providing a fully automated solution and the highest throughput for all research, biotech, pharmaceutical and quality control laboratories.

Cat.no	Alt. No	Description	Call for quotation
238-102110	5400610	KingFisher Flex	

KingFisher Kits - Thermo Scientific

The KingFisher Kits complete the unique nucleic acid purification workflow, providing an optimized high throughput method for superior flexibility.

The KingFisher Nucleic Acid Purification Kits, together with the KingFisher magnetic particle processor and consumables, enable the rapid and reproducible purification of high quality DNA or RNA from a wide variety of materials. The superior performance of KingFisher Kits produces DNA and RNA that is free of inhibitors and is ready for many downstream applications: Easy-to-use protocols facilitate safe sample handling as well as minimal user input maximizing walk-away time.

Details:

- Excellent performance and consistent results - optimized to produce high yields of quality DNA or high integrity RNA
- Suitable for wide range of sample materials
- Large volume of sample materials
- Large volume sample input possible with KingFisher Blood DNA Kit up to 3ml of blood per sample
- Flexible throughput from one sample to up to 96 samples per run
- Walk-away solution for all throughputs
- Minimized hands-on time increases overall efficiency
- Compatible with most common downstream analysis and applications



Cat.no	Description	List Price	Now!
238010060	KingFisher Blood DNA kit 60 preps for KingFisher mL	2.270:-	2.000:-
238010196	KingFisher Blood DNA kit 1 x 96 preps for KingFisher Flex	2.620:-	2.300:-
238020060	KingFisher Total RNA kit 60 preps for KingFisher mL	2.430:-	2.100:-
238020196	KingFisher Total RNA kit 1 x 96 preps for KingFisher Flex	3.250:-	2.800:-
238030060	KingFisher Cell and Tissue DNA kit 60 preps for KingFisher mL	2.330:-	2.000:-
238030196	KingFisher Cell and Tissue DNA kit 1 x 96 preps for KingFisher Flex	2.620:-	2.300:-
238040060	KingFisher Viral NA kit 60 preps for KingFisher mL	2.470:-	2.100:-
238040196	KingFisher Viral NA kit 1 x 96 preps for KingFisher Flex	2.900:-	2.500:-
238050196	KingFisher Plant DNA kit 1 x 96 preps for KingFisher Flex	2.380:-	2.100:-

All kits contain: KingFisher magnetic beads | Lysis buffer, binding buffer, 2-3 wash buffers and elution buffer | Kit-specific reagents to enhance performance

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High performance in a compact package

Thermo Scientific Piko Thermal Cylers

deliver high performance in a compact package. Although merely half the size of other instruments, the Piko® Thermal Cycler meets the highest criteria in performance and is able to complete a PCR protocol in less than 15 minutes. This is achieved using novel technical advances that allow significant reduction in PCR run times and overall size of the instrument. The Piko Thermal Cycler is an ideal solution for both conventional and fast PCR applications.

Due to its small size and low power consumption, the Piko Thermal Cycler is also conveniently portable for field use.



Thermo Scientific Piko Thermal Cylers offer you

- Best-in-class thermal performance Consistent results from well-to-well due to extremely short settling times and high temperature uniformity across the block.
- Time savings PCR in as little as 15 minutes enabled by fast ramp rates and quick settling times.
- Reagent savings Repeatable yields from as little as 5 µL when using UTW vessels and heat sealers.
- Space savings The smallest footprint available - fits into a tiny bench space.
- Repeatable sealing to prevent sample evaporation Automatic heated lid provides consistent and tight sealing from run-to-run.

Technical specifications

Piko Thermal Cycler

Block configurations	24-well (well volume 0.225 ml, sample volume max 50 µl) and 96-well (well volume 0.05 ml, sample volume max 20 µl)
Max ramp rate	> 5°C heating and > 4.5°C cooling
Typical thermal uniformity	+/- 0.3°C
Thermal accuracy	+/- 0.2°C
Thermal range	0°C - 99.9°C
User interface	Semi-graphical and list mode programming
Number of programs	Over 1000
Heated lid	Fully-automated and motorized function
Size	Width 16 cm, depth 17 cm, height 23 cm
Warranty	2 years parts and labor

Cat.No	Description	List Price	Now!
Piko Thermal Cylers			
253230249	Piko Thermal Cycler, 24-well	33.100:-	29.500:-
253230250	Piko Thermal Cycler, 96-well	37.200:-	33.500:-

A reliable and flexible PCR instrument for your daily requirements

Thermo Scientific Arktik Thermal Cycler

The Thermo Scientific Arktik Thermal Cycler is a reliable and flexible PCR instrument for the everyday requirements of any laboratory. It is suitable for a wide range of applications from individual reactions to high-throughput projects.



Features

- Interchangeable blocks with excellent thermal precision
- Dual 48-well block for multi-user option
- Broad and accurate temperature gradient
- Reliable and easy to use
- Low noise level
- Accepts almost all standard PCR plastics

Technical Specification

Block configurations	96 x 0.2 ml, 384 x 0.03 ml, 2 x 48 x 0.2 ml (dual block). Interchangeable.
Gradient range	Max 30°C
Max ramp rate	3.0°C/s
Thermal uniformity	+/- 0.4°C at 90°C
Thermal accuracy	+/- 0.3°C
Thermal range	4-99.9°C
Heated lid	Manually adjustable. Over-tightening protection system.
User interface	Semi-graphical
Number of programs	4950
Size	Width 29 cm, depth 38 cm, height 29 cm
Communications	Ethernet, USB memory port
Warranty	1 year

Cat.No	Description	List Price	Now!
253100001	Arktik Thermal Cycler base unit, with gradient	34.900:-	31.500:-
253100096	96-well single block	15.850:-	14.300:-
253100384	384-well single block	18.900:-	15.900:-
253104848	Dual block (2 x 48 wells)	18.400:-	15.100:-

The most flexible Real-Time PCR Thermocycler

TOptical Thermocycler

NEW!

The TOptical Thermocycler gives you:

- Interchangeable block modules
- Upgrade at existing TProfessional Thermocyclers are possible
- Optionally gradient enabled
- 6 positions for color filter modules
- Free customisation with color filter modules
 - Definition of the number of filters to be implemented
 - Choice amongst 10 different filters (6 fluorescence, 4 FRET)
 - Filter combinations covering the whole range of commonly used dye
- Patented scanner system with optical fibers
- Filter-upgrade / interchange at installed units possible
- Optimal excitation by three long lasting LEDs
- Easy to use software including commonly used analysis functions



Filter	Wavelengths (abs./em.)	Dyes
TOptical Filter Module 1	470nm/520nm	FAM, SYBR Green, Alexa488
TOptical Filter Module 2	470nm/545nm	JOE, VIC, HEX, Yakima Yellow
TOptical Filter Module 3	535nm/580nm	TAMRA, DFO, Alexa 546, NED
TOptical Filter Module 4	565nm/605nm	ROX, TexasRed, Cy3.5
TOptical Filter Module 5	630nm/670nm	Cy5, Alexa 633, Quasar 670
TOptical Filter Module 6	660nm/705nm	LightCycler Red 705, Alexa 680
TOptical FRET Module 1	470nm/580nm	FAM/TAMRA
TOptical FRET Module 2	470nm/670nm	FAM/Cy5
TOptical FRET Module 3	470nm/705nm	FAM/Cy5.5
TOptical FRET Module 4	515nm/670nm	JOE/Cy5

Contact us for more information



TProfessional TRIO Thermocycler

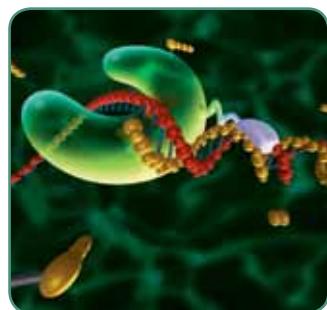
Three Thermocyclers in one for maximum flexibility and high sample throughput

- Three independent Thermocyclers in one housing
- Highest heating and cooling rates (up to 5 °C/sec)
- Runs three different programs at the same time
- High parallel throughput up to 144 samples
- Different block formats available: 30 well, 48 well, combi
- Improved block accessibility
- Three High Performance Smart Lids (HPSL) with automatic pressure control new air stream design
- Large VGA Display
- Pre-installed protocols
- New Temperature Optimisation Step
- Protocol quick start option
- Versatile USB functions
- Skip function
- Multiblock selection function



NEW!

Cat.no	Description	List Price	Now!
203001201	TProfessional TRIO 30 3 locks for 30 x 0.5ml tubes each	114.700:-	89.261:-
203001202	TProfessional TRIO 48 3 blocks for 48 x 0.2ml tubes or 48 well microplates or 6x strips of 8 each	114.700:-	89.261:-
203001203	TProfessional TRIO combi 3 combi blocks for 18 x 0.5ml tubes or 48 x 0.2ml tubes, or 48 well microplates or 6 x strips of 8	114.700:-	89.261:-



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NEW!

New affordable digital microscope! Evos XI Core!

ALL-IN-ONE digital microscope workstation

- Eyepieces are replaced with a 12.1-inch highresolution display
- High performance phase contrast optics are integrated with a high-resolution digital camera
- Integrated imaging software runs everything via mouse or with fingertip controls
- Images can be saved to a USB flash drive



Throw away the definition of "microscope" and start over...

The EVOS XI Core makes cell culture microscopy remarkably easy. We've replaced the uncomfortable eyepieces with a high-resolution camera and display, but we didn't stop there... we kept the LCD display up high for easy viewing and placed the stage and controls low so your hands can rest on the table.

Need to save images?

With the EVOS XI Core microscope, images can be saved with the push of a button to a USB flash drive - no need to wrestle with computers, cables or external software.

Need to move it around?

The all-in-one design is lightweight and boasts a small footprint. You can throw it in a hood or move it to an open space on the bench. Better yet, there is no alignment, no bulbs to change and the flip of one switch turns everything on.

EVOS XI Core allows you to concentrate on what's important – your work. It's easy, affordable and powerful.

EVOS ALL-IN-ONE digital inverted microscope

Patented LED Light Cubes

At the heart of EVOS is its unique patented LED light cube (US Patent 7,502,164) that outputs high intensity over a short light path (see light path below) for maximally efficient fluorophore excitation.

- Precise digital illumination level controls
- Supports up to 4 fluorescence channels simultaneously
- 50,000+ hour lifetime
- Instant ON/OFF, no shutters
- Environmentally safe, non-hazardous, mercury-free LED bulbs
- 15X less power consumption than conventional fluorescence microscopes
- Easy installation and no maintenance



Integrated Computer and Imaging Software

- Set image acquisition modes
- Overlay and export multi-channel fluorescence images
- Auto track filters and objectives
- Save data/images as 16-bit TIFF or PNG;
- 24-bit color TIFF, PNG, JPG, BMP files



Cat.No	Description	List price
332000006	EVOS XI Base Microscope System + 4 Objectives (4xPH,10xPH,20xPH,40xPH)	104.500:-
332000004	EVOS XI Base Microscope System + 5 Objectives (2x,4xPH,10xPH,20xPH,40xPH)	107.300:-
332000008	EVOS XI Base Microscope System + 3 Objectives (2x,4xPH,10xPH) + Arm Rest	94.400:-
332000071	EVOS fl Base Microscope System + 3 Light Cubes (GFP,RFP,DAPI) + no Objectives	200.500:-
332000070	EVOS fl Base Microscope System + 4 Objectives (4xPH,10xFL,20xFL,40xFL) + no Light Cubes	170.200:-
332000067	EVOS fl Base Microscope System + 4 Objectives (4xPH,10xFL,20xFL,40xFL) + 3 Light Cubes (GFP,RFP,DAPI)	234.800:-
332000063	EVOS fl Base Microscope System + 5 Objectives (2x,4xPH,10xFL,20xFL,40xFL) + 3 Light Cubes (GFP,RFP,DAPI)	237.600:-
332000069	EVOS fl Base Microscope System + 5 Objectives (4xPH,10xFL,20xFL,40xFL,60xFL) + 3 Light Cubes (GFP,RFP,DAPI)	253.400:-

Cat.No	Description	List Price	Now!
332000074	EVOS XI Core Base Package	47 500:-	39 900:-
332000075	EVOS XI Core High Magnification Package	64 500:-	51 500:-

Automatic Cell Viability Counter with Dual Fluorescence

Cellometer® Auto 2000

NEW!

BENEFITS

- Consistent, reliable, and accurate for primary cells
- Instant staining and counting
- No lysing of RBC needed
- Eliminates variation caused by debris
- No washing biohazard
- Small foot print



FEATURES

- 20 μ L sample volume
- Viability by AO/PI , PI or trypan blue
- Dual fluorescence plus bright field imaging
- Disposable counting chamber
- All-in-one design including computer and touch screen

Cellometer® Auto 2000 Standard Assays - Live/Dead Cell Concentration and Viability

Immune Cells with Low RBC - Nucleated immune cells after isolation in samples with some red blood cells stained with AO/PI. PBMC after Ficoll separation, Splenocyte without lysing RBC, lymphocyte, bone marrow, cord blood and lung lavage.

Immune Cells with High RBC - Nucleated cells in samples with large amount of red blood cells stained with AO/PI. Whole blood, cord blood and bone marrow.

Stem cells, primary cells - Stem cells, primary cells from dissociated tissues with debris stained with AO/PI.

Cell Line - Cell lines or cultured primary cells without debris stained with PI or trypan blue.

Cell Line Total Concentration - Cell lines or cultured primary cells without debris at viability greater than 98%.

Cat.No.	Description	List price	Intro. Price
344000030	Cellometer Auto 2000	150.000:-	132.000:-

Fast, accurate automated cell counting you can trust.

Cellometer cell counters use advanced brightfield and fluorescence technologies.

Cellometer® automated cell counters eliminate the drudgery of manual cell counting and deliver more accurate, consistent results in a mere fraction of the time. Typically in less than 30 seconds per sample, Cellometer cell counters provide cell sample analysis results that include:



- Cell count
- Cell concentration
- Trypan blue viability
- Cell diameter
- Cell images, and more

The time savings are dramatic, allowing you to concentrate on more important work. That's why researchers worldwide in medical research, biotech, pharmaceutical, general research and university labs use Cellometer cell counters today to achieve unprecedented levels of productivity.

Cat.no	Description	List Price
344000009	Cellometer Auto T4 Ideal for determining concentration and trypan blue viability in cell lines	74.200:-
344000001	Cellometer Auto M10 Optimized for small cell counting (2 to 12 microns)	110.500:-
344000010	Cellometer Vision Automated whole cell imaging cytometry for cell population analysis	208.800:-

tel. 031 - 352 32 00
www.fishersci.se



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Spectrophotometer for routine and educational applications.

Combining smart technology with simplicity and speed

Thermo Scientific Spectronic 200 Vis

- Large, bright, color LCD adjusts to the perfect angle for any technician to view
- Standard sample compartment accommodates both 10mm square cuvettes and test tubes up to 25mm (1 inch) diameter
- Room light immune optical system lets you measure tall test tubes with the lid open

Easy to Set up

- Just plug it in and power it up
- USB connection for optional computer Control



NEW!

Cat.No	Description	List Price	Now!
370265900	SPECTRONIC 200 Vis Spectrophotometer	18.950:-	15.000:-

A compact UV/Vis photometer

Biophotometer Plus

eppendorf

- The photometer provides instant, out-of-the-box access to 32 routine methods, of which 9 methods are freely programmable, e. g.:
- Measurement of DNA, RNA and protein concentration (UV and colorimetric)
- Incorporation rate of fluorescent molecules (550 nm/650 nm), e. g., for microarray experiments
- Enzymatic assays (e.g., peroxidase, alkaline phosphatase, β -galactosidase)
- Optical density of cells (OD 600)



Cat.No	Description	List Price	Now!
275613200	BioPhotometer Plus	46.400:-	39.900:-
275101000	UVette®, package of 80 cuvettes	523:-	445:-
275108850	UVette® starter set	715:-	655:-



Meet your next labpartner: NanoDrop

SAVE

NanoDrop 2000 - the classic

- Easy to use, simply pipette sample direct onto the pedestal
- Micro-volume sample size (0.5µl-2.0 µl)
- No dilutions, even for highly concentrated samples (up to 15,000 ng/ µl for dsDNA)
- Fast, less than five second measurement time
- User-friendly software with features such as custom methods

NanoDrop 2000c - with cuvette reader

- Dual modes choose the measuring option right for your sample pedestal or cuvette
- Very broad concentration range for measuring very low concentrations or very high concentrations
- Cuvette capability for kinetics studies and cell culture (OD 600) measurements
- Small footprint, perfect for any bench

NanoDrop 8000 - for 8 samples at a time

- Measure nucleic acid and protein concentration of samples as small as 1 µL
- Single sample mode or up to eight samples at a time
- Analysis of 96 samples in less than 6 minutes
- Sample Position Illuminator which increases efficiency and reduces error by keeping track of the samples to be measured
- Perfect for core labs, bioprocessing QC/manufacturing environments, biorepositories and molecular diagnostics labs.

NanoDrop 3300 - for fluorescence

- Sample size as small as 1 µl
- Mass detection limit more than one order of magnitude lower than conventional fluorometers
- UV, Blue and White LED excitation, covering a broad wavelength range
- No filter changes, no monochromator
- Ability to analyze multiple emission profiles from a single sample
- Simplicity of use – just pipette and wipe

Cat.No	Description	List Price	Now!
370812000	NanoDrop 2000 Spectrophotometer	85.500:-	75.000:-
370802000	NanoDrop 2000c Spectrophotometer with cuvette capability	99.500:-	85.000:-
370808000	NanoDrop 8000 Multi-sample Spectrophotometer	245.000:-	200.000:-
370883300	NanoDrop 3300 Fluorospectrometer	119.000:-	95.000:-



Nanodrop 2000 / 2000c



Nanodrop 8000



Nanodrop 3300

Eon™ Microplate Spectrophotometer with cuvette port

Eon™, BioTek's newest Microplate Spectrophotometer combines high-end features such as speed, incubation and robustness with excellent optical performance. The result is a high value microplate reader system. Designed to outperform typical monochromator based absorbance microplate readers, Eon provides absorbance measurements and wavelengths scans in a compact, yet powerful package.

When nucleic acid and protein quantification assays are important, Eon provides a complete UV/Vis wavelength range with "dial-in" convenience – no need for filters!

Add the optional cuvette port and Eon becomes a multi-tasking workstation for a variety of applications. Eon also offers expanded temperature control to 65°C and several shaking options to boost the performance critical to many assays. For added convenience and walk-away automation, Eon is compatible with BioStack™ and other robotic systems.

Features:

- Monochromator wavelength selection from 200 nm to 999 nm in 1 nm increments
- Fast wavelength scanning
- 6- to 384-well plate reading capability
- Cuvette port option
- Orbital and linear shaking
- Temperature control to 65°C
- Automated pathlength correction for direct quantification
- New Gen5™ 2.0 Data Analysis Software included
- Robust housing design for longevity even under heavy usage
- BioStack and 3rd party automation compatible
- Take3 Micro-Volume Plate compatibility for low volume, BioCell or cuvette measurements



Take3™ Micro-Volume plate

NEW!

Measuring micro-volume samples just got faster and easier. BioTek's Take3™ and Take3™ Trio Micro-Volume Plates are designed to increase the functionality of your BioTek microplate spectrophotometer, multi-mode or Hybrid reader by decreasing the sample size required to a mere 2 µL.



This very small volume allows for quick quantification of nucleic acid and protein samples without dilution, saving time and valuable sample. For added utility, standard cuvettes or the patented BioCell™ can also be used for quick 1 cm measurements, while the ultimate versatility of measuring both absorbance and fluorescence can be accomplished using Take3 or Take3 Trio in a Synergy™ Hybrid or multi-mode reader. Pre-programmed nucleic acid and protein protocols in Gen5™ make quantification fast and easy.

Features:

- 16 (Take3) or 48 (Take3 Trio) microspots for 2 µL samples
- 2 BioCell measurement locations
- Standard cuvette measurement (Take3)
- Absorbance and fluorescence measurement capability
- Pre-programmed nucleic acid and protein quantification protocols in Gen5 Take3 interface
- Spectral scanning in micro-volume, BioCells or cuvettes
- Easy to clean, low maintenance sample surfaces



Cat.No	Description	List Price	Now!
284100920	EON	125.000:-	106.250:-
284100925	EONc with cuvette port	139.700:-	118.745:-

Cat.No	Description	List Price	Now!
284100810	Take3™	31.500:-	26.775:-
284100915	Take3™ trio	38.000:-	32.300:-

ELx 405™ Select Deep Well Microplate Washer

NEW!

From the leaders in microplate washing, BioTek introduces the world's first deep well microplate washer that aspirates and dispenses into 96- and 384-well plates ≤ 50 mm in height. ANSI/ SBS standard microplates are also accommodated, resulting in a total solution for all of laboratory's solid bottom microplate washing needs.



The new ELx405™ Select Deep Well Microplate Washer is a robot compatible, full plate washer incorporating BioTek's patented Dual-Action™ manifold with independent filling and evacuation control for precise overfill washing and overflow protection.

Available low-flow rates and angled dispensing make the ELx405 particularly useful in cell-based assays. With optional Ultrasonic Advantage™, BioTek washers are the only product available today with built in ultrasonic cleaners able to automatically prime with cleaning solution, sonicate tubes to remove any protein or salt crystal build up and re-prime with rinse or wash buffer leaving the instrument clean and ready for its next wash.

Features:

- Washes microplates ≤ 50 mm in height
- 96- and 384-well formats
- Patented Dual-Action™ manifold for independent dispense and aspiration control
- Optional automatic 1-to-4 wash buffer switching
- Available cell washing with gentle, low-flow rates and 20° angled dispense tubes
- Optional Ultrasonic Advantage™ – built in ultrasonic cleaner for manifold self-maintenance
- Biomagnetic separation ready
- Software control from onboard keypad or Liquid Handling Control™ PC Software
- 21 CFR Part 11 compliance
- BioStack Microplate Stacker compatibility for standard height plates

Contact us for more information!

Absorbance Readers

Epoch™ Microplate Spectrophotometer & Take3™

BioTek's Epoch™ Multi-Volume Spectrophotometer System is designed for a wide range of applications, from nucleic acid and protein quantification on a micro scale to cell-based assays in microplates, BioCells or standard cuvettes.



Applications:

- Low-volume nucleic acid and protein quantification in Take3 plate
- Nucleic acid and protein direct quantification in microplates
- Endpoint or kinetic ELISA
- Spectral scanning
- Cell based assays

Features:

- Take3™ Multi-Volume Plate for low (2 μ L) volume, BioCell™ or cuvette measurements
- Monochromator wavelength selection from 200 nm to 999 nm in 1 nm increments
- 6- to 384-well plate reading capability
- Automated pathlength correction for direct quantification
- Spectral scanning, endpoint, kinetic, and well area scanning measurements
- Gen5™ Microplate Data Analysis software included
- Integrated detector and electronics for low noise measurements
- Xenon flash lamp to last the instrument's lifetime
- Robust housing design for longevity even under heavy usage

Cat.No	Description	List Price	Now!
284100800	Epoch™	72.800,-	61.880,-

tel. 031 - 352 32 00
www.fishersci.se



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Contact us for a quote!

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Thermo Scientific Microplate Reagent Dispensers

Microplate reagent dispensers offer high-speed, continuous dispensing. Designed for ease of use, they offer an outstanding performance to meet all requirements for reagent dispensing.

Multidrop 384

- **Precise dispensing** with reproducible dispensing results
- **High-speed dispensing** for high assay throughput
- **Easy setup** with quick plate and volume selection
- **Easy to integrate** with different robotic setups for higher throughput



Multidrop Combi



- **Provides precise dispensing** over a 0.5 to 2500 μ L range, ensuring reproducible assay data
- **Accommodates microplates from 6 to 1536 wells** and plate heights of 5 to 50mm
- **Full robotic compatibility** gives increased throughput
- **Uses 8-channel detachable and autoclavable dispensing cassettes**

Multidrop DW

To receive more information on the special pricing please contact us on:
fisher.se@thermofisher.com
or call us on:
031 352 32 00

- **Precise dispensing** ensures high-quality assay results and reproducible data
- **Wide volume range** provides flexibility and increased speed in assays requiring larger volumes
- Quick plate and volume selection combined with easy maintenance, the Multidrop DW makes assay setup **quick and easy**



Terms and Conditions Please note that all sales are subject to our standard terms and conditions. Full details can be found on the inside back cover of our catalogues or visit our website

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Fully automated cell separation

autoMACS™ Pro Separator



A benchtop automated magnetic cell sorter for the isolation of virtually any cell type from any species based on the reNOW!ned MACS® Technology. autoMACS Magnetic Cell Sorting has been introduced in 1999 and is a proven standardized procedure for reliable results.

The autoMACS Pro Separator has been specifically designed for automated handling of multiple samples. State-of-the-art sensor technology allows safe operation and monitoring of the instrument's status.

- Reliable—MACS® Technology for automated cell separations, proven worldwide for many different research areas.
- Versatile—compatible with more than 200 MACS Cell Separation Reagents for the isolation of virtually any cell type from any species, even from whole blood.
- Simple—intuitive touchscreen interface and preset programs for optimal results, ready-to-use MACS Buffers for easy operation.
- Flexible—high-speed sorting of more than 10 million cells per second, from 105 to 4×109 cells and volumes from 0.2 mL to 50 mL.
- Compatible—perfect companion for flow cytometry, no MicroBead removal required for further experiments.

Cat.No	Description	NOW!
189092545	AutoMACS Pro Separator	Call for quotation



Tissue dissociation and homogenisation

gentleMACS™ Octo Dissociator



- Time-saving automated tissue dissociation
- Standardized procedure
- High level of user safety
- Sterile sample handling
- Time-saving: up to 8 samples in parallel
- Flexible: pre-set and user-defined programs (for almost any biological material)
- The instrument allows independent use of all eight tube positions; different programs can be selected and run individually.

Cat.No	Description	NOW!
189095937	GentleMACS Octo Dissociator	Call for quotation

gentleMACS™ Dissociator

- Time-saving automated tissue dissociation
- Standardized procedure
- High level of user safety
- Sterile sample handling
- Flexible: pre-set and user-defined programs (for almost any biological material)



Cat.No	Description	List Price:	NOW!
189093235	GentleMACS Dissociator C Tubes (25 ea) M Tubes (25 ea) GentleMACS user manual	54.400:-	39.990:-

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5 Unbeatable pros for the new INCO

CO₂ Incubator from Memmert

1.) Excellent price-performance ratio

Never save on essentials! Even the price-attractive INCO standard version provides unique precision and reliability.

2.) Fit for your application

As many functions as necessary, as much individuality as possible! Choose from six additional modules for your own special top model

Comfort module: two gas connections with quick release connectors, automatic switch-over of gas cylinders

Hygiene module: electropolished interior seamlessly welded by laser

Communication module: USB interface, "Celsius" standard software for programming and logging, ring log memory, printer interface

CO₂ module: extended CO₂ range from 0 to 20 %

Premium module: includes Comfort, Hygiene, Communication and CO₂ module

Humidity module: active microprocessor-controlled humidification and dehumidification (40 - 97 % rh)

3.) 100% AtmoSAFE

The INCO is 100 % AtmoSAFE! Absolutely precise control of temperature, humidity and CO₂ content guarantees a perfect atmosphere.

4.) 100% safe and hygienic

The working chamber including all fittings as well as all sensors is sterilisable at 160°C by an automatic 4-hours-programme.

5.) Quick and flexible

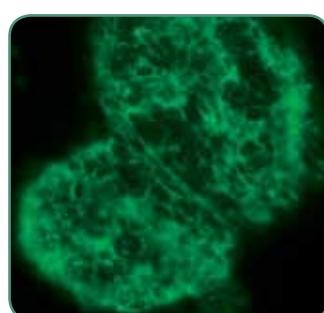
Thanks to Memmert's flexible production and our modern logistic organisation also individual solutions can be produced quickly and flexible.



	INC 108	INC 153	INC 246
Volume	108 liter	153 liter	246 liter
Temperature range		+ 20 °C up to + 50 °C (operating range from 8°C above ambient temp.)	
Humidity range		88% up to 97% (humidity limit control / capacitive humidity sensor)	
CO ₂ range		0% up to 10%	
CO ₂ Setting accuracy		± 0,1%	
Temperature variation (time)		≤ ± 0,1 °C	
Temperature uniformity in chamber		≤ ± 0,3 °C	
Humidity variation (time)		± 0,1%	
Heating up time to 37°C	21 Min.	22 Min.	16 Min.
Temp. recovery time at 37°C	4 Min.	3 Min.	1 Min.
CO ₂ increase from 0% up to 5%		4 Min.	
Recovery time at 5% CO ₂	3 Min.	3 Min.	2 Min.
Recovery time at 90% rh	33 Min.	39 Min.	27 Min.

Cat.No	Model	Size	List Price	Now!
298004150	INC108 Standard	108L	51.500:-	41.000:-
298004160	INC153 Standard	153L	64.400:-	51.000:-
298004170	INC246 Standard	246L	79.200:-	62.000:-

For module upgrade and complete option range please contact Fisher Scientific for more information.



Thermo Scientific Heraeus CO₂ Incubators leading in Contamination prevention!

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- Easy to use with simple icons and menu prompts to guide you, reducing the potential for costly errors
- Graph parameter trends over established timeframes and run event history logs—protected with user pass codes and control lockouts
- 90°C moist heat decontamination
- Automatic on-demand proven program, effective in eliminating bacteria, molds, fungal spores and mycoplasma, without the need to remove IR or thermocouple sensors
- Available in solid copper (100% pure copper interior eliminates fungal growth on contact)



Copper interior

Stainless steel interior

Technical Specification - General

Temperature range, °C	Ambient +3 to +55 °C
Temperature deviation, temporal/ spatial, K	±0,1/±0,5 °C
Humidity, %RH	>95
Range	0 to 20% (CO ₂)
Accuracy, %	±0,1 CO ₂ , setting
Disinfection cycle, hr	25 (90°C/9hr)
Load per shelf, kg	10/30
Electrical supply	230V, 50Hz, 620W

Technical Specification - Specific

	Heracell 150i	Heracell 240i
Capacity, L	150	240
Dimensions, external [w x d x h], mm	637 x 766 x 867	780 x 834 x 934
Dimensions, internal [w x d x h], mm	470 x 530 x 607	607 x 583 670
Shelf size [w x d], mm	423 x 445	560 x 500
Shelf size [w x d], mm	10	12
Antal hyllor [max/ standard]	10/3	12/3
CO ₂ recovery, min	<5	<10

Copper

Cat.No	Description	List Price	Now!
372026281	Heracell 150 i Cu	104.600:-	76.000:-
372026334	Heracell 240 i Cu	148.400:-	98.000:-



NEW!

iONGUARD™ Antimicrobial Coating for Stainless Steel Heracell CO₂ Incubators

The key functional component of iONGUARD coating is silver ions, long recognized for their natural antimicrobial properties

The Advantages of iONGUARD™

- eliminates 99% of typical microorganisms within 24 hours of exposure, supporting aseptic techniques
- demonstrated performance even after years of service and hundreds of ContraCon decon routines
- the concentration of silver in the coating is well beneath exposure guidelines
- silver ions are held in a proprietary matrix and cannot become airborne, and never come in contact with cultures

Stainless Steel

Cat.No	Description	List Price	Now!
372026280	Heracell 150 i SS	93.300:-	68.000:-
372026333	Heracell 240 i SS	135.100:-	89.000:-

iONGUARD™ Coating

372901041	iONGUARD protective silver coating for Heracell 150	12.350:-*
372901042	iONGUARD protective silver coating for Heracell 240	12.350:-*

* Factory assembled accessory

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RCT BASIC

- Safety magnetic stirrer with heating, suitable for unsupervised operation
- Integrated temperature control; includes PT-1000 temperature sensor (PT-1000.60)
- Exact temperature and speed setting via digital display, even when switched off
- Hot Top indicator - hot surface warning to prevent burns
- With adjustable safety circuit of heating plate temperature (50 to 360°C)
- Safety magnetic stirrer with heating, suitable for unsupervised operation



Cat.No	Description	List Price	Now!
172381000	RCT Basic Safety Control IKA	6.275:-	5.400:-

Mixer, vortex, LabDancer

- Small, compact and reliable
- For small containers up to 30mm in diameter, e.g. test tubes, centrifuge tubes, Eppendorf® beakers
- Fixed speed (2,800rpm)
- Excellent mixing action
- Includes light 12V power pack set
- Orbital shaking motion
- The upper casing and the test tube surface are made from inert plastic. The bottom section is a coated, zinc die cast casing
- 100% ON time permissible



Cat.No	Description	List Price	Now!
172336500	LabDancer, mixer, vortex	1.750:-	1.450:-

Mixers, vortex, small, MS 3 basic and MS 3 digital

Compact, universal, small shaker suitable for shaking tasks with all small vessels and microtitre plates.

- Wide range of attachments
- Attachment detection
- Continuous or touch operation (with standard attachment)
- 100% ON time permissible
- Stable at all speeds
- Sturdy zinc die cast casing
- MS 3 digital with additional timer and countdown function
- The maximum speed of 3,000rpm is only reached with the standard attachment in touch mode.
- When using other attachments the speed is limited to 1,300rpm
- Mode B (without attachment detection)
- A speed of 3,000rpm is possible with all attachments
- Orbital shaking movement



Cat.No	Description	List Price	Now!
172361700	MS 3 Basic incl. MS 3.1, MS 3.3 and MS 1.12	3.525:-	2.990:-
172331900	MS 3 Digital incl. MS 3.1, MS 3.3, MS 3.4, MS 1.12 and MS 1.32	4.925:-	3.990:-

Microcentrifuge, Twister

- Ideal for microfiltration and quick spins
- Maximum speed/RCF 6,000rpm/2,000xg
- Convenient on/off safety switch
- Durable lid hinge
- Compact design, small footprint
- Complete with interchangeable rotors for microtubes and PCR strips



Cat.No	Description	List Price	Now!
176001500	Microcentrifuge Twister incl. rotor for 1,5ml & 0,5 ml microtubes and rotor for 0,2ml strips.	1.730:-	1.290:-
176101222	Inserts for 0,2 ml microtubes	372:-	255:-

Vortex Genie 2



- Variable speed control allows slow speed shaking action up to high speed vortexing. In addition, each attachment is designed to produce different mixing actions, allowing users to choose the correct action for each application.
- A broad range of attachments of various shapes, sizes, and materials allows for mixing of almost all common tubes or containers for Hands-Free or Touch operation. (See Accessories)
- A 3-position power switch operates with continuous action or "Touch On" control. With the true "Hands-Free" operation of continuous action, lab operators can greatly increase lab efficiency.
- Tough metal housing combined with "just enough weight", provides a stable platform for all types of mixing.
- Many years of proven performance in laboratories all over the world.

Cat.No	Description	List Price	Now!
115100005	Shaker Vortex Genie 2	2.890:-	1.790:-

Mini Plate Spinner, MPS 1000™ Compact centrifuge for PCR plates



- Quickly spin down droplets and condensation
- Use before and after thermal cycling
- Accepts skirted, non-skirted and all standard PCR plates
- Less than 1/4 the size of most plate centrifuges

Cat.No	Description	List Price	Now!
176001910	Mini Plate Spinner MPS 1000™	5.380:-	3.900:-

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Get Unplugged in seconds!

Electronic Decapper 8-Channel in 96 rack format for Matrix Barcode 2D tubes

- The 8-Channel Handheld Decapper compatible in workflow with multichannel pipettes.
- Capping and decapping.
- Ergonomics – No more cap twisting and untwisting, minimizing Repetitive Stress Injuries (RSI).
- Designed for both left- and righthanded.
- Saves your valuable time. Up to 5x faster than hand decapping. (fig 1.)



Cat. Nr	Description	List Price	Now!
375014105	8-Channel Matrix Screw Cap Decapper w/stand	21.500:-	17.000:-
375104105	8-Channel Nunc Screw Cap Decapper w/stand	21.500:-	17.000:-

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eppendorf

Thermomixer comfort™

Incubator, mixer and thermomixer, all in one! The Eppendorf Thermomixer comfort offers simultaneous mixing and precise temperature control of your precious samples.

- Large temperature range: from ~13°C below RT to 99°C
- 10 exchangeable thermoblocks
- Excellent mixing and incubating performance



Cat.No	Description	List Price	Now!
275535517	Thermomixer comfort™, complete with thermoblock 1.5 mL plus 1,000 Eppendorf Safe-Lock Tubes	27.469:-	22.460:-

Prices valid until 2011-12-31

ThermoStat plus™: A real temperature expert!

This compact benchtop thermostat is a real temperature expert! Its core competence is cooling to -5 °C and heating to 99 °C in all common sample tube formats.

- Choice of 11 different exchangeable thermoblocks
- Precise temperature control with active cooling and heating
- Optimum temperature transfer, particularly for high-volume tubes (15 mL and 50 mL)
- Excellent incubating performance



Cat.No	Description	List Price	Now!
275535226	ThermoStat plus™, complete with thermoblock for 8 x 15 mL Falcon® tubes	20.282:-	15.660:-
275535234	ThermoStat plus™, complete with thermoblock for 4 x 50 mL Falcon® tubes	20.282:-	15.660:-

Prices valid until 2011-12-31

A versatile range Grant outstanding performance

Dry block heater

Digital (QBD) or analogue (QBA) with 1 or 2 interchangeable blocks versatile, high quality dry block heating systems with excellent temperature control, providing a source of precision heating for many sensitive analytical procedures. Accurate, reproducible and safe heating of your samples – advanced temperature control combined with high quality, precision-engineered blocks providing excellent thermal contact.



QBA 1



QBA 2

Digital QBD

- Stability ±0,1°C (@ 37°C)
- Timer 1 minute to 72 hours
- Timer for delayed start
- Two point calibration
- Offset adjustment



Model	QBD1	QBD2	QBA1	QBA2
Art. Nr.	170102520	170102530	170102500	170102510
Temperature range	RT+5°C - 130°C		RT+5°C - 100°C	
Number of blocks	1	2	1	2
Setting resolution	±0,1°C	±0,1°C	2°C	2°C
Stability @ 37°C	±0,1°C	±0,1°C	±1,0°C	±1,0°C
Uniformity (within the block), @ 37°C	±0,1°C	±0,1°C	±1,0°C	±1,0°C
Uniformity (across similar blocks), @ 37°C	-	±0,2°C	-	±1,0°C
Heat up time 25°C to 100°C, minutes	15	15	25	25
Dimensions (wxhxd), mm	200 x 230 x 100	200 x 280 x 100	200 x 230 x 100	200 x 280 x 100
Power, Watt	150	300	150	300
List Price	6.830:-	7.880:-	4.090:-	5.050:-
Now!	5.130:-	5.910:-	3.070:-	3.800:-

Heating oven for universal use in your laboratory!

Ovens, universal and steriliser

- Constructed from stainless steel 1.4301 - inside and outside
- Choose from three performance classes:
- BASIC - electronic PID controller
- EXCELLENT - PID microprocessor controller
- PERFECT - fuzzy-supported multifunctional PID process controller
- Choose from two air circulation modes:
- N - natural air circulation (convection)
- F - forced air circulation (fan)



UNE and UFE series

- Fuzzy supported PID microprocessor controller with autodiagnostic system
- 2 x PT 100 sensors Class A in four wire circuit, mutually monitoring and function transfer at identical temperature readings - whenever additional safety is of vital importance
- Digital seven day programme timer
- Integrated digital timer for one temperature profile with max. 4 segments, each adjustable from 1min to 999hr with fan speed controlled in 10% steps (for F-models only)
- Resolution of display for setpoint and actual values 0.1°C below 99.9°C, 0.5°C above 100°C
- Triple over-temperature protection: relay switching the heating off at 10°C above setpoint temperature, independently operating digital electronic over-temperature controller TWW class 3.1 and mechanical temperature limiter class 1 - resolution of display 1°C
- RS232 including software Celsius 2005
- Works calibration certificate for 160°C



Cat.No	Description	List Price	Now!
298000410	UFB400 53L Basic With Fan	14.160:-	10.900:-
298000420	UFB500 108L Basic With Fan	19.990:-	15.400:-
298000450	UFE400 53L Excellent With Fan	15.780:-	12.100:-
298000460	UFE500 108L Excellent With Fan	21.900:-	16.800:-
298000470	UFE600 256L Excellent With Fan	35.800:-	27.500:-

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The New Heratherm® microbiological incubator

Available in four different models, providing three different airflow technologies and a choice of four sizes.

- Compact
- General Protocol
- Advanced Protocol
- Advanced Protocol Security



Thermo Scientific Heratherm Compact Incubator

The most compact unit of the Heratherm microbiological incubators family has an 18L capacity, ideal for personalized workspace.

Cat.No.	Description	List Price
	Mechanical Convection	
373125882	INCUBATOR COMPACT 18L - IMC18	6.400:-

Thermo Scientific Heratherm General Protocol Incubators

Designed for your routine applications in pharmaceutical, medical, food and research laboratories.

Cat.No.	Description	List Price
	Gravity convection	
373028130	INCUBATOR GP 60L 230V	11.700:-
373028131	INCUBATOR GP 100L 230V	16.600:-
373028132	INCUBATOR GP 180L 230V	23.000:-



Thermo Scientific Heratherm Advanced Protocol Incubators

Thermo Scientific Heratherm Advanced Protocol incubators provide exceptional temperature performance for demanding applications.

Cat.No.	Description	List Price
Dual Convection		
373028133	INCUBATOR AP 60L 230V - IMH60	18.100:-
373028134	INCUBATOR AP 100L 230V - IMH100	24.000:-
373028135	INCUBATOR AP 180L 230V - IMH180	34.000:-

Thermo Scientific Heratherm Advanced Protocol Security Incubators

Thermo Scientific Heratherm Advanced Protocol Security incubators incorporate additional safety features for ultimate sample protection.

Cat.No.	Description	List Price
Dual Convection		
373028133	INCUBATOR AP 60L 230V - IMH60	18.100:-
373028134	INCUBATOR AP 100L 230V - IMH100	24.000:-
373028135	INCUBATOR AP 180L 230V - IMH180	34.000:-

The New Heratherm ovens

Thermo
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Available in three different models, with sizes of 60L, 100L and 180L, providing the choice of gravity or mechanical airflow technology:

- General Protocol units are optimally suited to everyday heating and drying applications up to 250 °C
- Advanced Protocol models provide the necessary technologies for users requiring ultimate accuracy and increased heating capability up to 330 °C
- Advanced Protocol Security ovens offer additional safety features aimed at ultimate protection of your most precious samples and products up to 330 °C

NEW!



General Protocol Ovens

Thermo Scientific Heratherm General Protocol ovens are perfect for routine daily work, providing the ideal heating and drying solution for your applications.

Cat.No	Description	List Price
Gravity convection		
373028139	OVEN GP 60L 230V - OGS60	10.200:-
373028140	OVEN GP 100L 230V - OGS100	15.000:-
373028141	OVEN GP 180L 230V - OGS180	20.300:-
Mechanical convection -with fan!		
373028148	OVEN GP 60L 230V - OMS60	13.400:-
373028149	OVEN GP 100L 230V - OMS100	18.700:-
373028150	OVEN GP 180L 230V - OMS180	25.500:-

Advanced Protocol Ovens

As well as incorporating all the benefits of our General Protocol ovens, the Heratherm Advanced Protocol range boasts additional features providing even more flexibility, accuracy and dependability.

Cat.No	Description	List Price
Gravity convection		
373028142	OVEN AP 60L 230V - OGH60	15.500:-
373028143	OVEN AP 100L 230V - OGH100	20.200:-
373028144	OVEN AP 180L 230V - OGH180	25.500:-
Mechanical convection- with fan!		
373028151	OVEN AP 60L 230V - OMH60	19.100:-
373028152	OVEN AP 100L 230V - OMH100	25.100:-
373028153	OVEN AP 180L 230V - OMH180	33.000:-

Advanced Protocol Security Ovens

The Heratherm Advanced Protocol Security portfolio combines the benefits of our advanced protocol line with an extra layer of security for applications where process reliability and sample protection are paramount.

Cat.No	Description	List Price
Gravity convection		
373028145	OVEN APS 60L 230V - OGH60-S	17.100:-
373028146	OVEN APS 100L 230V - OGH100-S	22.400:-
373028147	OVEN APS 180L 230V - OGH180-S	28.300:-
Mechanical convection -with fan!		
373028154	OVEN APS 60L 230V - OMH60-S	21.000:-
373028155	OVEN APS 100L 230V - OMH100-S	27.600:-
373028156	OVEN APS 180L 230V - OMH180-S	36.200:-

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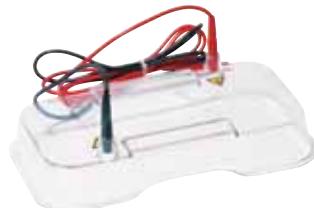


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HE33 Mini Horizontal Agarose Electrophoresis Unit

The HE33 Mini Horizontal Agarose Unit is designed for very fast separations of DNA restriction fragments in agarose gels. To achieve ethylene glycol coolant solution, seal it, and place it in a freezer or ice bath until ready to use.



Technical Specification

Gel Dimensions (wxL):	7x10 cm
Maximum Buffer Volume:	250ml
Maximum Power Settings:	500V for (5 min or less), 500mA 15 W
Maximum Sample Capacity:	32
Maximum Temperature:	50°C
Indoor Use:	4-40 °C
Humidity:	Up to 80%
Unit Dimensions (lxhW):	24x7x13 cm

Cat.no	Description	List Price	Now!
287000760	HE33 Mini Horizontal Agarose Electrophoresis Unit	3.660:-	2.900:-

Package includes: Buffer chamber, lid with cables, gel running tray, gel casting tray, 4 foam gaskets, bubble level, 1.5 mm thick 8-well comb and comb back.

SE300 miniVE™ Integrated Vertical Electrophoresis and Blotting Unit

- Quick, excellent results using minimal buffer
- Passive cooling produces gels with straight lanes and sharp bands
- Cast your own or use precast gels from a variety of manufacturers



Technical Specification

Glass Plate Size (w xh):	100 x 105 mm or 100 x 80 mm
Spacers:	0.75 mm, 1.0mm, 1.5 mm
Maximum Power Settings:	
Electrophoresis:	500V and 25W per module
Blotting:	400mA and 15 W per module
Maximum Temperature:	45°C
Indoor Use:	4-40°C
Humidity:	Up to 80%
Unit Dimensions (wxhxd)	192 x 172 x 188 mm

Cat.no	Description	List Price	Now!
287002430	SE300 miniVE™ Integrated Vertical Electrophoresis and Blotting Unit	7.910:-	6.200:-

Package includes: Three rectangular glass plates, three notched glass plates, 2 gel modules, lid, tank, two each 1.0-mm-thick 10-well combs and 1.0-mm-thick spacer sets.

Power Supply

The Hoefer PS200-HC/PS300B are designed for all electrophoresis and semi-dry blotting applications. It can be operated in constant current or constant voltage mode. The small footprint and large handle make the Hoefer PS200-HC/PS300B easy to move around and use in your lab. The large LED is easy to read. Just set the constant parameter, set the timer, if desired, and push Start.

The Hoefer PS200-HC/PS300B are designed and certified in accordance with the applicable UL, EN and CSA electrical standards. For safety reasons, 4mm plugs with fixed insulating sheaths are recommended, standard on most Hoefer equipment. There are no adapters required when used with Hoefer equipment.



Technical Specification

Cat.no	287001326	287001321
Model	PS300B	PS200-HC
Power requirement	Frequency, 50–60 Hz Line voltage, 100–240 VAC 144 VA	Frequency, 50–60 Hz Line voltage, 100–240 VAC 288 VA
User interface	3 digit, red LED membrane keypad	3 digit, red LED membrane keypad
Output	10–300 V, 1 V increment 4–500 mA, 1 mA increment 90 W maximum 4 pairs output jacks in parallel	5–200 V, 1 V increment 0.01–2.00 A, 0.01 A increment 200 W maximum 4 pairs output jacks in parallel
Output connector	4-mm plugs	4-mm plugs
Timer	1–999 min, 1 min increment	1–999 min, 1 min increment
Environmental operating conditions	Indoor use: 4–40 °C Relative humidity: 0–80% noncondensing Altitude: < 2000 m Pollution degree: 2 Installation category: II	Indoor use: 4–40 °C Relative humidity: 0–80% noncondensing Altitude: < 2000 m Pollution degree: 2 Installation category: II
Dimensions (h×w×d)	335 × 125 × 280 mm	335 × 125 × 280 mm
Weight	2.4 kg	2.4 kg
Safety protection circuits	Short circuit protection Open circuit protection	Short circuit protection Open circuit protection
Product certifications	EN61010-1:2001, EN61326 A3:2003 Class B CE WEEE RoHS	EN61010-1:2001, EN61326 A3:2003 Class B CE WEEE RoHS

Cat.no	Description	List Price	Now!
287001321	200 Volt High Current Power Supply 5–200V, 10–2000 mA, 200W. 4 sets of 4 mm output jacks	20.300:-	13.300:-
287001326	300 volt power supply 10–300V, 4–500mA, 90 W. 4 sets of 4mm output jacks	7.200:-	4.800:-

Vertical Electrophoresis Gel System

- Injection moulded construction, durable & leakproof
- Compatible with all 8 x 10 and 10 x 10cm precast gels
- Rapid gel casting and loading
- Low buffer volumes
- Rapid set up cooling
- Run up to four gels
- Interchangeable modules for IEF/2D Electrophoresis and electroblotting in a universal tank



Technical Specifications

Plate dimensions, Gel dimensions, (W x L)	10 x 10cm 7.5 x 8cm
Unit dimensions, (W x D x H)	19 x 13 x 15cm
Max. sample capacity	80 samples, 20 samples per gel
Buffer volume	Min 250mL; Max 1,200mL
Combs available: No. of samples	1, 5, 8MC, 9, 10, 12, 16MC, 20,
Thicknesses	0.75, 1, 1.5, 2 mm



Cat.No	Description	List Price	Now!
210079400	Verti-Gel Mini, 10 x 10cm incl. Glass Plates with bonded 1mm thick spacers, 2x12 sample combs, cooling pack, dummy plate and Casting Base	5.410:-	3.175:-
210079401	Verti-Gel Mini, 10 x 10cm includes dummy plate, cooling pack for precast gels (no caster)	4.080:-	2.390:-
210079402	Complete system for Mini Vertical (10 x 10cm) Electrophoresis & Blotting comprising: 1x Verti-Gel Mini Vertical Unit which includes: 2x2mm thick notched glass plates, 2x2mm thick plain glass plates with 1mm thick bonded spacers, 1x dummy plate, 2x combs (1mm thick 12 samples), 1x casting base, silicone mat, cooling pack. Plus: 1x Electroblotting Module which includes: internal electroblotting module, 3x compression cassettes for gel sizes up to 10x10cm and 6x fibre pads.	7.500:-	4.400:-
210079407	Verti-Gel Mini Tube Gel Module Insert includes glass tubes and blanking ports	2.620:-	1.530:-
210079408	Verti-Gel Mini Electroblotting Module Insert - includes 3 cassettes and 6 fibre pads	2.940:-	1.720:-

Horizontal Electrophoresis Gel Systems

- Supplied with 7 x 7cm and 7 x 10cm gel trays
- Economic low gel and buffer volumes
- Small footprint

Injection moulded gel tanks



Technical Specifications

Gel dimensions, (W x L)	7 x 7cm 7 x 10cm
Unit dimensions, (W x L x H)	21 x 9 x 9cm
Max. sample capacity	7 x 7cm tray – 32 samples 7 x 10cm tray – 64 samples
Buffer volume	225mL
Combs available: No. of samples	1, 2, 4, 8MC, 8, 10, 12MC, 16
Thicknesses	0.75, 1, 1.5, 2mm

Cat.No	Description	List Price	Now!
210079000	SUB-GEL Mini, 7cm x 7cm & 7cm x 10cm UV Tray, 2 x 8 sample combs (1mm), loading guides and dams	2.810:-	1.640:-

Horizontal Electrophoresis Gel Systems



SUB-GEL Midi-Plus

Technical Specifications

Gel dimensions, (W x L)	15 x 7cm 15 x 10cm 15 x 15cm
Unit dimensions, (W x L x H)	26.5 x 17.5 x 9cm
Max. sample capacity	15 x 7cm tray – 70 samples 15 x 10cm tray – 140 samples 15 x 15cm tray - 210 samples
Buffer volume	500mL
Combs available: No. of samples	1, 2, 4, 10, 10MC, 12, 14MC, 16, 18MC, 20, 28MC, 30MC, 35
Thicknesses	0.75, 1, 1.5, 2mm

Cat.No	Description	List Price	Now!
210079200	SUB-GEL Midi-Plus, 15cm x 7cm, 10cm & 15cm UV Tray, 2 x 20 sample combs (1mm), loading guides and dams	3.450:-	2.025:-

Market leading centrifugation for High Performance Processing

Thermo Scientific General Purpose Centrifuges

MegaFuge 16, 1 liters general purpose centrifuges.

MegaFuge 40, 3 liters general purpose centrifuges.

Market-leading throughput, versatility and efficiency for high-performance processing

Compact, Comfortable Design

Industry-Leading Energy Efficiency

Auto-Lock® III Rotor System

ClickSeal® Bucket Sealing System

Hybrid Lid Latch

SMARTSpin® Technology



Cat. Nr	Description	List Price	Now!
371004230	MegaFuge 16	36.300:-	
371203629	TX-400	15.060:-	
371203655	Round Buckets	13.760:-	
371203656	Sealing Caps	3.790:-	
371203683	4 x 50ml conical	3.850:-	
371203682	9 x 15ml conical	3.850:-	
371124540	MegaFuge 16 Package	76.610:-	48.000:-
Cat. Nr	Description	List Price	Now!
371004270	MegaFuge 16R	60.500:-	
371203629	TX-400	15.060:-	
371203655	Round Buckets	13.760:-	
371203656	Sealing Caps	3.790:-	
371203683	4 x 50ml conical	3.850:-	
371203682	9 x 15ml conical	3.850:-	
371124541	MegaFuge 16R Package	100.810:-	64.000:-



Cat. Nr	Description	List Price	Now!
371204503	MegaFuge 40	49.700:-	
371203607	TX-750 Rotor	14.670:-	
371203608	Round Buckets	13.370:-	
371003609	Sealing Caps	3.440:-	
371203638	7 x 50ml Conical	6.040:-	
371203682	14 x 15ml	3.850:-	
371124542	MegaFuge 40 Package	91.070:-	61.000:-
Cat. Nr	Description	List Price	Now!
371204518	MegaFuge 40R	82.400:-	
371203607	TX-750 Rotor	14.670:-	
371203608	Round Buckets	13.370:-	
371003609	Sealing Caps	3.440:-	
371203638	7 x 50ml Conical	6.040:-	
371203639	14 x 15ml	3.850:-	
371124543	MegaFuge 40R Package	123.770:-	82.000:-



The New Pico/Fresco Microcentrifuges now carry the In Vitro Diagnostic Medical



Device Certification (IVD):

The IVD directive covers devices used in vitro for the examination of a specimen derived from the human body, including reagents, instruments and specimen receptacles. According to the directive, a medical device means any instrument, apparatus, appliance, material or other article, whether used alone or in combination on human beings for the purpose of medical evaluation. Conforms to the latest clinical and safety standards, including In Vitro Diagnostics (IVD) compliance

NEW!



Specifications	Pico and Fresco 17	Pico and Fresco 21
Max rcf	17,000 x g	21,100 x g
Max speed	13,300 rpm	14,800 rpm
Max noise level	56 dBA (ventilated), 50 dBA (refrigerated)	
Time set range	1 min - 99 min; 1 min increments + HOLD mode	
Temperature range	Set from -9 °C to +40 °C per 1 °C increment	
Dimensions, HxWxD		
Pico	225 x 243 x 352 mm (8.86 x 9.56 x 13.8 in)	
Fresco	330 x 295 x 445 mm (12.9 x 11.6 x 17.5 in)	

Cat. Nr	Model	List Price	Now!
371002410	Pico 17 microcentrifuge, includes 24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid	16.640:-	12.500:-
371002420	Fresco 17 microcentrifuge, includes 24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid	40.300:-	30.250:-
371002491	Pico 17 microcentrifuge, includes hematocrit rotor	17.610:-	13.250:-
371002415	Pico 21 microcentrifuge, includes 24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid	21.100:-	15.850:-
371002425	Fresco 21 microcentrifuge, includes 24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid	45.100:-	33.850:-

Centrifuge 5418 R

- Max. 16,873 x g (14,000 rpm)
- Temperature range: 0 °C to +40 °C
- +4 °C at max. speed
- FastTemp function for rapid pre-cooling
- The patented compressor technology reduces vibrations and protects your precious sample
- ECO shut-off function to reduce power consumption

eppendorf



Save 12%

Centrifuge 5424 R

- Max. 21,130 x g (15,000 rpm)
- Temperature range: -10 °C to +40 °C
- +4 °C at max. speed with all rotors
- FastTemp function for rapid pre-cooling, e.g., from +21 °C to +4 °C in only 8 min!
- The patented compressor technology reduces vibrations
- and protects your precious sample
- ECO shut-off function to reduce power consumption



FREE Rotor

Centrifuge 5430 R

- Max. 30,130 x g (17,500 rpm)
- Temperature range -11 °C to +40 °C
- Patented, dynamic compressor control for optimized cooling performance
- +4 °C at max. speed with all rotors
- FastTemp and FastTemp pro function
- Available as rotary knob or keypad version
- ECO shut-off function



Save 16%

Cat.No	Description	List Price	Now!
275540113	Centrifuge 5418 R with aerosol-tight fixed-angle rotor FA-45-18-11	38.190:-	33.610:-
275540413	Centrifuge 5424 R, rotary knob version, with aerosol-tight fixed-angle rotor FA-45-24-11	45.410:-	40.410:-
275540414	Centrifuge 5424 R, keypad version, with aerosol-tight fixed-angle rotor FA-45-24-11	45.410:-	40.410:-
275742846	Centrifuge 5430 R, rotary knob version, with 6 x 15 mL/50 mL tube rotor F-35-6-30	64.640:-	54.300:-
275542840	Centrifuge 5430 R, keypad version, with 6 x 15 mL/50 mL tube rotor F-35-6-30	64.640:-	54.300:-

Prices valid until 2011-12-31

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Part of Thermo Fisher Scientific

Good for you good for the environment

Thermo Scientific MSC-Advantage Class II Biological Safety Cabinets

- Superior Containment, Unique airflow design maximizes safety
- Extremely Comfortable, Ergonomic design simplifies ease of use
- Added Convenience, Choice of configuration increases flexibility
- Units feature 60% less energy consumption and heat output.
- Ergonomic Design Enhances Safety
- Sloped Front
- Cabinet front is sloped 10° for enhanced comfort and reduced operator fatigue.
- Reduced Noise Level
- Lower noise level enhances the attention and allows user to focus on work without distraction.
- Spacious Work Area
- The large, unobstructed work surface increases productivity and safety.



Cat.No	Description	Worksurface, m	List Price	Now!
297028225	LAF Bench Class II	0,9	74.200:-	52.000:-
297116441	Floorstand 750mm	0,9	5.770:-	4.600:-
297025411	LAF Bench Class II	1,2	88.600:-	62.000:-
297109309	Floorstand 750mm	1,2	6.370:-	4.700:-
297028226	LAF Bench Class II	1,5	92.000:-	64.500:-
297116442	Floorstand 750mm	1,5	6.900:-	5.500:-
297025413	LAF Bench Class II	1,8	105.200:-	73.500:-
297109311	Floorstand 750mm	1,8	7.620:-	5.600:-



Thermo Scientific Heraeus® HERAsafe® KS

- Electrically driven, aerosol tight, sliding and hinged front window
- Angled window for maximum operator comfort and maximum protection
- One button operation for simple start up/shut down
- Additional remote control of all functions by hand held controller
- Face level display panel on rear wall of work area
- Large 250mm front opening with higher inflow for increased protection
- Clear front window with no lower edge frame or aerofoil bar for user comfort
- Pre-filter for protection and increased life of main and exhaust HEPA filters
- Clear side windows
- Modular work surfaces
- Power consumption reduced to approximately half of conventional Class II's



Cat.No	Description	Worksurface, m	List Price	Now!
297021153	KS9	0,9	89.000:-	67.000:-
297116443	Floorstand 750-950mm	0,9	7.600:-	5.600:-
297021154	KS12	1,2	93.400:-	70.000:-
297109312	Floorstand 750-950mm	1,2	8.790:-	6.600:-
297021155	KS15	1,5	117.800:-	88.700:-
297116444	Floorstand 750-950mm	1,5	9.400:-	7.200:-
297021156	KS18	1,8	121.400:-	91.300:-
297109313	Floorstand 750-950mm	1,8	10.170:-	7.600:-



SAHARA series

complete heating bath with circulators

- Available in capacities from 5 L to 46 L
- 3-year warranty

The SAHARA open baths are available in a choice of two materials:

- Transparent acrylic – ideal for applications requiring good visibility
- Polyphenylene oxide (PPO) thermally resistant up to 100°C and deliver exceptional temperature performance with operational savings. Temperatures are maintained from ambient plus 13°C to 100°C.



Cat.No	Description	List Price	Now!
378000560	Thermostat SC100 with 6 Liters Acrylic bath	15.470:-	13.150:-
378000590	Thermostat SC100 with 12 Liters Acrylic bath	16.730:-	14.220:-
378000620	Thermostat SC100 with 19 Liters Acrylic bath	17.990:-	15.290:-
Cat.No	Description	List Price	Now!
378000650	Thermostat SC100 with 6 Liters PPO	13.580:-	11.545:-
378000680	Thermostat SC100 with 12 Liters PPO	14.470:-	12.300:-
378000710	Thermostat SC100 with 19 Liters PPO	14.980:-	12.730:-

Popular entry level **Grant** digital bath

- Optima digital thermostat (GD100) for precise temperature control
- Cooling/heating range 0 to 100°C
- Stability ± 0.02 °C
- 5 liter tank volume (other tank size available)



Cat. Nr	Description	List Price	Now!
170101000	GD100 DIGITAL	6.830:-	5.600:-
170100950	Bath RFR Steel S12	3.220:-	2.600:-
170101070	Lid LG12	1.940:-	1.490:-

An uncompromised respect for the environment

Thermo Scientific TS586e -86°C Freezer

Everything you'd expect from the industry leading ultra-low temperature freezer. Superior sample protection with unmatched energy savings.

100% hydrocarbon refrigerants:
NO ozonedepleting CFCs or high greenhouse warming potential HFC's

CE certified and WEEE directive :
compliant freezer

Water blown foam insulation:
environmentally friendly insulation maximizes internal storage while assuring consistent, uniform temperature throughout the freezer



500 liter range units	T586e and competitive "green" freezer energy usage (kWh/Day at -80°C setpoint)	Estimated conventional freezer energy usage (kWh/Day)	
Thermo Scientific TS586e	10.7	21	
Competitor A	11.6	21	
Competitor B	12.2	21	
Cat.No	Description	List Price	
374028176	TS586e Eco-Friendly ULT Freezer Upright 510 Litres 18 CuFt	114.000:-	79.800:-

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Introducing HEF™ High Efficiency -86° Freezers

New Brunswick's new HEF High Efficiency Freezers minimize operating costs and laboratory space requirements, while providing superior protection for your critical samples. Our upright 570 and 410 Liter models are the first in the new HEF line, consuming up to 65% less energy than competitive units.

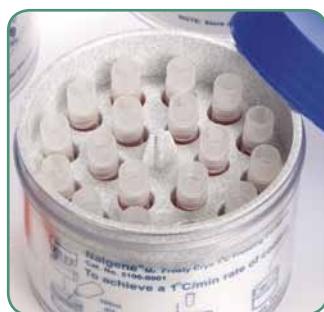
How is it possible?

- Combining superior-performing Vacuum Insulation Panels with additional insulation techniques
- Using environmentally-friendly, more efficient hydrocarbon refrigerants instead of traditional HFCs
- Improving and optimizing the circulation and compressor systems, ensuring years of uninterrupted operation and further reducing energy consumption

What does this mean to you?

- Savings of thousands in operating costs over the life of the freezer
- A significantly lower carbon impact on the environment when compared to competitive units
- Conformance with government, industry and environmental directives

Model	HEF U410	HEF U570	HEF C660
Cat.No	120104006	120104013	1201014020
Electrical Service	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz
Catalog No.	U9260-0008	U9270-0008	U9250-0008
Sample Capacity	24000 Samples	40000 Samples	52000 Samples
External Dimensions (H x W x D)	191.5 x 80 x 85.2 cm	192.5 x 102.5 x 85.2 cm	107.5 x 205 x 84 cm
Energy Consumption	8.4 kWh/day	8.7 kWh/day	11.4 kWh/day
List Price	79.000:-	91.000:-	97.000:-
Now!	63.600:-	73.400:-	78.300:-



NEW!

 **New Brunswick**
an eppendorf company

LIEBHERR high class laboratory range

The new LIEBHERR laboratory refrigerators and freezers with Comfort electronic controller and spark-free interior are suited for storing flammable and other substances with the highest demand for safety, temperature stability and comfort.

- High finish
- Spark free
- Comfort electronic controller
- Integrated alarm systems
- External temperature and alarm connections
- Maximum temperature stability and consistency



The Comfort electronic controller

The precision Comfort electronic controller with digital temperature display enables temperatures to be set to 1/10°C accuracy. Symbols indicate the operating status of the appliance at all times. To satisfy laboratory hygiene requirements, the Comfort electronic controller is flush-mounted and has an easyclean membrane keypad.



Integrated alarm systems

A visual and audible temperature alarm alerts the user if temperature deviation limits are exceeded. The parameters for the temperature alarm can be individually set. In addition, a visual and audible door alarm is raised if the door is open for longer than 1 minute. Furthermore, the laboratory appliances with Comfort electronic controllers have a visual power failure alarm when mains power returns and a sensor defect alarm.



Practical door

The doors are self-closing for convenient use. The integrated lock is exceedingly sturdy and protects the stored products against unauthorised access. The door hinges are reversible and the gaskets are replaceable.

Roller sets and adjustable legs

30 mm-high roller sets can be retrofitted to the under-worktop LKUexv 1610 and LGUex 1500 models and adjustable legs can be retrofitted to the LKexv 3910 and LGex 3410 models to allow easy cleaning underneath. The feet are adjustable between 115 mm and 170 mm in height. (optional)



Technical Specifications

Cat.No	268000120	268000170
Total gross/net capacity	360/344 l	310/284 l
Energy consumption in 24h*	0.9 kWh	1.3 kWh
Cooling system	dynamic	static
Defrosting method	automatic	manual
Temperature setting range	+3°C to +8°C	-9°C to -30°C
Type of control	electronic controller	electronic controller
Temperature display	external digital	external digital

Cat. nr	Description	List Price
268000120	LIEBHERR Comfort LKEXV3910 Spark-free Refrigerator, 344L	15.600:-
268000170	LIEBHERR Comfort LGEX3410 Spark-free Freezer, 284L	16.300:-

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Thermo Scientific ID Scribe Labware Identifier

Clearly identify your laboratory samples

- Eliminate sample identification confusion with permanent, legible writing
- Imprint directly on tubes with standard laboratory markers - no labels to fall off
- Save time with automatic labeling using existing databases

NEW!



**Thermo
SCIENTIFIC**

BRADY

Label printer, thermal transfer, BBP11

- Ideal for blood, tissue and slide labels
- 300dpi print resolution
- Print speed 76.2mm/s
- Many features built in as standard such as Ethernet (network), triple communication interface, dual walled construction
- Basic software included (codesoft 9 basic)



Cat. nr	Description	List Price	Now!
277361072	Printer BBP11-34	7.880:-	6.200:-

BMP™71 Mobile Label Printer

The new BMP™71 is Bradys high-end mobile printer for laboratory applications as well as printing of Safety solutions (signs & pipemarking) in the Process industry etc. Delivered with software LabelMark 5.0 for easy data import, design and editing. Integrates completely with Microsoft® Office applications and more. With full size QWERTY keyboard and large full color graphic LCD display it is also well suited for stand-alone printing as well.



Cat. No.	Description	List Price	Now!
375003200	ID Scribe Labware Identifier for 1 rack	41.500:-	37.350:-
375003205	ID Scribe HT, High Theroughput Labware Identifier for 4 racks	83.000:-	74.700:-

Cat. No.	Description	List Price
375003300	ID Scribe Rack: 1-2 mL Nunc CryoTubes incl Cryobank, Side Writing	1.090:-
375003301	ID Scribe Rack: 1-1.4 mL 96-Way Tubes, Side Writing	1.090:-
375003302	ID Scribe Rack: 1.5-2 mL Microcentrifuge Tubes, Side Writing	1.090:-
375003303	ID Scribe Rack: 1.5-2 mL Microcentrifuge Tubes, Top Writing	1.090:-
375003304	ID Scribe Rack: 15 mL Centrifuge Tubes, Side Writing	1.090:-
375003306	ID Scribe Rack: 3.6-5 mL Nunc and Nalgene CryoTubes including Cryobank, Side Writing	1.090:-
375003312	ID Scribe Rack: 2 mL Nalgene Cryogenic Tubes, Side Writing	1.090:-
375003313	ID Scribe Rack: 2 mL HPLC Vials, Side Writing	1.090:-
375003351	ID Scribe Rack: 0.5 -0.75 mL 96-Way Tubes, Side Writing	1.090:-
375003352	ID Scribe Rack: 0.5 mL Microcentrifuge Tubes, Side Writing	1.090:-
375003353	ID Scribe Rack: 0.5 mL Microcentrifuge Tubes, Top Writing	1.090:-
375003354	ID Scribe Rack: 50 mL Centrifuge Tubes, Side Writing	1.090:-
375003356	ID Scribe Rack: 0.2 mL PCR Tubes, Side Writing	1.090:-
375003365	ID Scribe Rack: IVF Straws, Side writing	1.090:-

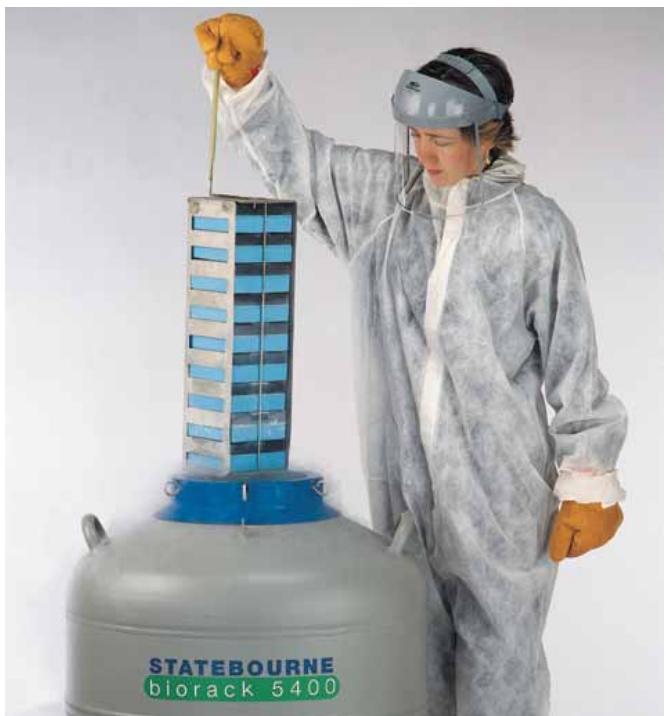
Cat.no	Description	List Price	Now!
277710629	BMP71 Label Printer with LabelMark 5	12.970:-	
277035243	Ribbon R-4300	1.350:-	
Cat.no	Label	Material	
277710764	Label M71-116-461 for vials and tubes Width 15,24 Length 41,28 Top ø 12,70	B- 461 Thin polyester resistant to extreme temperatures	480:-
277114743	Label M71-16-499 for Centrifuge, Eppendorf, PCR Tube Width 9,53 Length 25,4	B-499 Nylon, High adhesion all- purpose label	560:-

**Package
Price
9.400:-**

Cryogenic storage system, BioRack series

- High capacity with exceptionally low evaporation rates
- User friendly racked inventory control system
- Supplied with racks and plastic cryoboxes
- Suitable for 1.2mL, 1.8mL and 2.0mL cryovials
- Lockable lids on all models CE marked
- Three year warranty on vacuum
- The BioRack 3000 has been designed to fit under a standard laboratory bench even when on a roller base

The narrow neck design provides exceptionally low evaporation rates thereby offering large storage capacity but with low running costs. The BioRack series of cryogenics refrigerators provides an attractive boxed storage system as a convenient alternative to traditional canister storage systems. The square racks hold either 25 cell or 100 cell plastic boxes. This boxed inventory control system provides easy access and quick identification of samples. BioRack series are NOW! available in 750, 3,000 and 6,000 vial capacities



Modell	BIORACK 750	BIORACK 3000	BIORACK 6000
Cat.No	173902132	173902146	173902145
LN2 capacity, L	35	85	160
Evaporation, L/ day	0.3	0.63	0.63
Holding time, days	117	135	254
Mass empty, kg	19	42	64
Mass full, kg	47	110	183
Neck diameter, mm	120	216	216
Height, overall, mm	710	738	1027
Diameter, mm	480	646	646
Nr of racks	5	6	6
boxes/rack	6	5	10
Total nr of boxes	30	30	60
Cryo/box	25	100	100
Capacity, 2 mL cryotubes	750	3000	6000

Cat.No	Description	List Price	Now!
173902132	Biorack 750	22.300:-	17.200:-
173902146	Biorack 3000	35.200:-	27.200:-
173902145	Biorack 6000	45.600:-	35.200:-
173902147	Wheels Biorack 3000/6000	5.090:-	3.900:-

Cat.No	Description	List Price	Now!
269076010	Safety spring lock (10 EA)	180:-	140:-

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Space-Saving, Stackable Incubator Shakers

Innova Biological Shakers

New Brunswick Shakers are used in more laboratories, the world over, than any other biological shaker; and our top-of-the-line Innova models are the best-selling in the industry. Here are just a few of the many reasons why:

- Innovative designs and unparalleled fabrication provide you with day-in and day-out worry-free operation, often for decades of continuous use.
- Advanced microprocessor controls ensure reproducible results and operator convenience.
- "Set it and forget it" programming enable you to store and recall multiple parameter - multi-step programs for convenient, automated operation.
- Numerous safety features are built in to protect you, your cultures and your shaker.



The heart of the shaker is the **Triple-Eccentric Counterbalanced Drive**. The precision made heavy-duty drive in cast iron is due in large part to ensure dependable operation.



Innova 44
3 Units Stacked

Cat. Nr	Description	List Price	Now!
120100031	Innova 44 25mm	114.100:-	95.400:-
120100033	Innova 44R 25mm	140.300:-	117.200:-
120104155	Platform, Universal 46 x 76	11.660:-	9.200:-



Innova 42
2 units stacked

Cat. Nr	Description	List Price	Now!
120104840	Innova 42 19mm	84.000:-	68.900:-
120104845	Innova 42R 19mm	95.400:-	78.300:-
120100065	Platform, Universal 46x76 cm	7.280:-	5.900:-

Contact us for complete range of shakers and accessories

Economical balances with the newest technology.

Denver Summit serie

User guidance in the Summit is carried out by short text terms in five languages. It enables the user to configure and operate the balance easily. All settings can be easily adjusted via the menu navigation keys. The extremely short response times of the Summit balances deliver fast and accurate results.



1

A comprehensive program assists with solving any weighing problems. The standard RS232 interface allows the user to prepare an ISO/GLP-conforming protocol and the print outs display date and time. Reliable and stable weighing results are delivered under all conditions. Powerful algorithms are able to compensate for even the most complex environmental conditions.



2



3



4

Cat. No	Model	Readability, g	Capacity, g	List Price	Now!
Analytical balances with internal calibration					
175020405	SI-234	0.0001	230	1 14.900:-	11.950:-
175020410	SI-114	0.0001	110	1 13.700:-	10.960:-
175020415	SI-64	0.0001	60	1 12.750:-	10.200:-
Cat. No	Model	Readability, g	Capacity, g	List price	Now!
Balances with internal calibration					
175020420	SI-603	0.001	600	2 10.800:-	8.700:-
175020425	SI-403	0.001	400	2 9.900:-	7.900:-
175020430	SI-203	0.001	200	2 8.880:-	7.100:-
175020435	SI-6002	0.01	6,000	3 12.850:-	10.300:-
175020440	SI-4002	0.01	4,000	3 10.860:-	8.700:-
175020445	SI-2002	0.01	2,000	3 9.900:-	7.900:-
175020450	SI-602	0.01	600	4 8.880:-	7.100:-
175020455	SI-402	0.01	400	4 7.950:-	6.350:-
175020460	SI-8001	0.1	8,000	3 11.250:-	8.995:-
175020465	SI-4001	0.1	4,000	3 9.260:-	7.400:-
Cat.No	Description		List Price	Now!	
175010401	Printer to Denver balances		5.300:-	3.900:-	

Sartorius Extend

The new achievers for your lab

The new Sartorius Extend series has been specially designed for effective and reliable weighing in daily lab routines. This is where more powerful technology and application-orientated operation and features make all the difference.

When you need to get a heavy workload of repetitive applications done fast and reliably, day in and day out, the last thing you need is a lab balance so complicated that it causes operating errors and wastes your valuable time as a result.

Add up all the features of the new Sartorius Extend series, and you'll find all the advantages that only a genuine Sartorius lab balance can offer; features that pay for themselves, time and again.



Cat.No	Model	Readability, g	Capacity, g	List Price	Now!
Analytical balances with internal calibration					
141100605	ED224S	0,0001	220	27.200:-	20.500:-
141100610	ED124S	0,0001	120	23.800:-	17.900:-
Balances with internal calibration					
141100616	ED623S-CW	0,001	620	28.200:-	21.200:-
141100621	ED423S-CW	0,001	420	22.200:-	16.700:-
141100626	ED323S-CW	0,001	320	20.400:-	15.300:-
141100631	ED153S-CW	0,001	150	17.550:-	13.200:-
141100636	ED6202S-CW	0,01	6200	28.200:-	21.200:-
141100641	ED4202S-CW	0,01	4200	22.200:-	16.700:-
141100646	ED3202S-CW	0,01	3200	19.840:-	14.900:-
141100651	ED2202S-CW	0,01	2200	19.170:-	14.400:-
141100656	ED822-CW	0,1	820	15.640:-	11.800:-
141100661	ED8201-CW	0,1	8200	17.550:-	13.200:-
141100666	ED5201-CW	0,1	5200	14.880:-	11.200:-
141100671	ED2201-CW	0,1	2200	13.450:-	10.100:-



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Thermo Scientific Orion Star A211 pH Benchtop Meter

The Thermo Scientific Orion Star A211 pH Benchtop Meter is the ideal choice for any lab. Get the information you need quickly and easily from the large, backlit graphic LCD display. Informative display shows pH/mV/RmV and temperature along with electrode status, time, date, sample ID, user ID and calibration points. For advanced users, features such as stability and averaging choices provide additional options.



Technical Specification

pH	Range	-2.000 to 20.000
	Resolution	0.1, 0.01, 0.001
	Relative Accuracy	±0.002
	Calibration Points	Up to 5
	Calibration Editing	Yes
mV/RmV	Range	±2000.0 mV
	Resolution	0.1
	Relative Accuracy	±0.2 mV or ±0.05 % of reading whichever is greater
	EH ORP Mode	Yes
	Temperature	-5 to 105 °C, 23 to 221 °F
Temperature	Resolution	0.1
	Relative Accuracy	±0.1
	Offset Calibration	1 point
	Datalogging	2000 with time and date stamp
Datalogging	Log Function	Manual, ready (includes AUTO-READ™), timed
	Log Edit	Delete individual points, group of points or all
	Inputs	pH Electrode BNC, reference pin
Inputs	ATC Probe	8-pin mini-DIN
	Output	RS232, USB
Power	AC Adapter	Included –universal, 100-240 VAC
	Battery Power	Optional – 4 AAs
	Battery Life	800 hrs

NEW!



Features and Benefits

- Anyone can use this meter with its plain language screen prompts, soft keys that update for easy selection and a multilanguage interface that supports English, Spanish, French, Italian, German and Chinese
- Don't miss a reading – AUTO-READ™ locks in the stable reading on your screen, ready indicator alerts when readings are stable and timed reading gathers data in specific time intervals
- Up to 5 point pH calibration with automatic recognition for USA/NIST and DIN buffers
- Fix calibration errors without a complete recalibration with calibration editing
- Non-volatile memory holds up to 2000 data points with time and date stamp
- Easily transfer data and keep meter software up-to-date with the USB and RS232 ports and complimentary data analysis software
- Mix samples without a stir plate with direct control of the Orion Star stirrer probe (096019, sold separately)
- Included electrode arm and newly-designed probe holder make it easier to maintain and place probes into samples
- Works with almost every AC power source with the included universal power adapter, or use four AA batteries (sold separately) to run the meter on DC power
- IP54-rated housing handles splashes and is wall-mountable if table space is a problem
- 3 year meter replacement warranty

Contact us for more information

STAR2115 Orion STAR A211 pH Benchtop Meter Kit

Kit Includes:

- 8302BNUMD Orion ROSS Triode 3-in-1 pH/ATC probe
- 810199 ROSS solution kit (475 mL each of pH 4, 7 and 10 buffers; storage solution; cleaning solution; and pH electrode storage bottle)
- Electrode arm with redesigned holder
- Universal power adapter

Available end of October

pH meter 700/2700

pH 700

pH / mV-Redox-ORP /
Temperature

Economical, user-friendly and accurate, the Eutech pH 700 is your ideal choice for routine applications in laboratories, production plants and schools.

pH 2700

pH / mV-Redox-ORP /
Temperature

Oversize screen with large fonts yet compact – the new Eutech pH 2700 offers an easy to read screen that says more! View pH or ORP readings, with temperature, electrode status, calibration points, date and time all at once!



Technical Specification

		294108370	294108440
pH	Range	-2.00 to 16.00 pH	-2.000 to 20.000 pH
	Resolution	0.01 pH	0.1 / 0.01 / 0.001 pH
	Accuracy	±0.01 pH	±0.002 pH + 1 LSD
	Cal. Points	Up to 5	Up to 6 preset or 5 custom
	Buffer Sets USA	(1.68, 4.01, 7.00, 10.01, 12.45), NIST (1.68, 4.01, 6.86, 9.18, 12.45)	USA, NIST, DIN, User 1, User 2, Custom
ORP	Range	±2000 mV	±2000.0 mV
	Rel. mV Range	±2000 mV	±2000.0 mV
	Resolution	0.1 mV (±199.9 mV) / 1 mV (beyond)	0.1 mV
	Accuracy	±0.2 mV (±199.9 mV) / 2 mV (beyond)	±0.2 mV
Temperature	Range	0.0 to 100.0 °C / 32.0 to 212.0 °F	0.0 to 100.0 °C / 32.0 to 212.0 °F
	Resolution	0.1 °C / 0.1 °F	0.1 °C / 0.1 °F
	Accuracy	±0.3 °C / ±0.5 °F (0 to 70 °C)	±0.3 °C / ±0.5 °F
	Compensation	ATC / MTC (0 to 100 °C) (pH only)	ATC / MTC

Cat.No	Description	List Price	Now!
294108370	Eutech pH 700 Meter With pH Electrode (ECF7252101B), ATC Probe (ECPH5TEMPB01P), Integral Electrode Holder & 100/240 VAC Adapter	5.780:-	4.700:-



Cat.No	Description	List Price	Now!
294108440	Eutech pH 2700 Meter With pH Electrode (ECF7370101B), ATC Probe (PH5TEMB01P), Integral Electrode Holder, 100/240 VAC Adapter, RS232 cable, & pH Electrode Refill Solution	7.990:-	6.600:-

pH / conductivity meter PC 6000

The CyberScan PC 6000 simplifies intricate lab work! For quick, accurate measurements of pH and conductivity, simply place pH and conductivity cells into the same solution – no fear of cross-talk between the two parameters. Measure conductivity, resistivity, TDS and salinity with 2-cell probes or versatile 4-cell probes for greater linearity over a wide range. The PC 6000 is compatible with a wide array of Eutech conductivity cells and features selectable cell constants that allows you to measure from ultrapure water to brine and concentrated solutions.



Cat.No	Description	List Price	Now!
294103480	PH / conductivity meter Cyberscan PC6000 Eutech	22.300:-	17.600:-

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JENWAY

pH meter 3510, Jenway

The 3510 is a versatile, simple to use pH, mV and temperature meter that is ideal for routine analysis. With up to three decimal place resolution and a choice of up to three calibration points the 3510 provides the user with added flexibility where future demands for enhanced performance may be required. A choice of pH calibration buffers to DIN, JIS and NIST standards can be used for automatic calibration, as well as manually entered buffer values.

- Simultaneous readout of pH and temperature
- pH resolution to 3 decimal places
- 1, 2 or 3 point calibration
- Automatic or manual buffer selection
- Storage of up to 32 resultsvRS232 connection to printer or PC via DataWay



Cat.No	Description	List Price!	Now!
181200010	PH meter Kit Jenway	7.140:-	5.400:-



pH meter, mini, Hanna

- Robust, low cost simple to use pH meter, just switch on, dip and read
- Replaceable electrode
- Two point calibration
- With general purpose combination electrode and batteries



Cat.No	Description	List Price!	Now!
381022140	PH meter waterproof hanna	1.040:-	815:-



Lacking a buffer? We have solutions in stock!



Reagecon

Cat.No	Description	Size	List Price
Reagecon Diagnostics			
205000335	BUFFER SOLUTION PH10.00 (BLUE), 0.01 20°C	1L	298:-
205000375	BUFFER SOLUTION PH10.00 (BLUE) 0.01 25°C	500ML	209:-
205000315	BUFFER SOLUTION PH4.00 (RED) 0.01 20°C	1L	298:-
205000345	BUFFER SOLUTION PH4.00 (RED) 0.01 25°C	500ML	209:-
205000325	BUFFER SOLUTION PH7.00 (YELLOW) 0.01 20°C	1L	298:-
205000360	BUFFER SOLUTION PH7.00 (YELLOW) 0.01 25°C	500ML	209:-
205000470	BUFFER SOLUTION PH7.000 (YELLOW) 0.010 20°C	500ML	267:-
205000025	BUFFER SOLUTION PH2.00, 0.02 20°C	5L	892:-
205000230	BUFFER SOLUTION PH6.80, 0.01 25°C	1L	314:-
165000010	BUFFER SOLUTION PH10 TWIN NECK	500ML	224:-
165000004	BUFFER SOLUTION PH4 TWIN NECK	500ML	224:-
165000007	BUFFER SOLUTION PH7 TWIN NECK	500ML	224:-
165101677	BUFFER SOLUTION PH1,677	500ML	265:-
165101679	BUFFER SOLUTION PH1,679 DIN	500ML	265:-
165011000	BUFFER SOLUTION PH10, KAL 20°C	1L	268:-
165110052	BUFFER SOLUTION PH10, KAL 25°C	500ML	203:-
165011005	BUFFER SOLUTION PH10, KAL. 20°C	500ML	194:-
165011300	BUFFER SOLUTION PH13, KAL 20°C	1L	298:-
165400060	BUFFER SOLUTION PH3,5	1L	513:-
165010400	BUFFER SOLUTION PH4, KAL 20°C	1L	268:-
165010405	BUFFER SOLUTION PH4, KAL 20°C	500ML	194:-
165104052	BUFFER SOLUTION PH4, KAL 25°C	500ML	203:-
165104005	BUFFER SOLUTION PH4,005, DIN	500ML	265:-
165105052	BUFFER SOLUTION PH5, KAL 25°C	500ML	209:-
165106881	BUFFER SOLUTION PH6,881	500ML	265:-
165010700	BUFFER SOLUTION PH7, KAL 20°C	1L	268:-
165107052	BUFFER SOLUTION PH7, KAL 25°C	500ML	203:-
165010705	BUFFER SOLUTION PH7, KAL. 20°C	500ML	194:-
165107413	BUFFER SOLUTION PH7,413, DIN	500ML	265:-
165010905	BUFFER SOLUTION PH9, KAL. 20°C	500ML	194:-
165110012	BUFFER SOLUTION PH10,012, DIN	500ML	265:-
165870525	BUFFER SOLUTION PH7,000, DIN KAL 25°C	500ML	275:-

JENWAY

Cat.No	Description	Size	List Price
Jenway			
181200055	BUFFER SOLUTION PH10	10 x 12ML	200:-
181200045	BUFFER SOLUTION PH4	10 x 12ML	200:-
181200050	BUFFER SOLUTION PH7	10 x 12ML	200:-

Cat.No	Description	Size	List Price
Fisher Chemicals			
167640291	BUFFERT PH10 (1AMP=500ML)	1 x 6 amp	1.260:-
167640294	BUFFERT PH4 (1AMP=500ML)	1 x 6 amp	1.680:-
167923988	BUFFER SOLUTION PH7	1 amp	172:-
167918498	BUFFER SOLUTION PH10	2,5L	257:-
167918444	BUFFER SOLUTION PH4 RED	2,5L	360:-
167918486	BUFFER SOLUTION PH8	1L	195:-
167640531	BUFFER SOLUTION PH10	1L	145:-
167640631	BUFFER SOLUTION PH10 BLUE	1L	195:-
167640532	BUFFER SOLUTION PH2	1L	195:-
167640534	BUFFER SOLUTION PH4	1L	120:-
167640634	BUFFER SOLUTION PH4 RED	1L	170:-
167640537	BUFFER SOLUTION PH7	1L	105:-
167640637	BUFFER SOLUTION PH7 YELLOW	1L	106:-
167640539	BUFFER SOLUTION PH9,2	1L	153:-

Scharlau

Cat.No	Description	Size	List Price
Scharlau			
160172530	BUFFER SOLUTION PH10 BLUE	1L	186:-
160169528	BUFFER SOLUTION PH7 YELLOW	250ML	104:-
160169530	BUFFER SOLUTION PH7 YELLOW	1L	131:-
160172430	BUFFER SOLUTION PH10	1L	134:-
160172428	BUFFER SOLUTION PH10	250ML	76:-
160173430	BUFFER SOLUTION PH11	1L	273:-
160173428	BUFFER SOLUTION PH11	250ML	154:-
160174430	BUFFER SOLUTION PH12	1L	273:-
161163430	BUFFER SOLUTION PH13,00	1L	273:-
160164430	BUFFER SOLUTION PH2	1L	273:-
160165430	BUFFER SOLUTION PH3	1L	273:-
160166442	BUFFER SOLUTION PH4	10L	613:-
160166430	BUFFER SOLUTION PH4	1L	132:-
160166428	BUFFER SOLUTION PH4	250ML	76:-
161155430	BUFFER SOLUTION PH5,00	1L	273:-
160168430	BUFFER SOLUTION PH6	1L	198:-
160169430	BUFFER SOLUTION PH7	1L	135:-
160169428	BUFFER SOLUTION PH7	250ML	74:-
160170430	BUFFER SOLUTION PH8	1L	273:-
160171430	BUFFER SOLUTION PH9	1L	198:-
160172442	BUFFER SOLUTION PH10	10L	704:-
160166528	BUFFER SOLUTION PH4 RED	250ML	104:-
160166530	BUFFER SOLUTION PH4 RED	1L	186:-

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